PAT-NO: JP02001179595A

DOCUMENT-IDENTIFIER: JP 2001179595 A

TITLE: CLOTH FOR POLISHING MAGNETIC DISK

PUBN-DATE: July 3, 2001

INVENTOR-INFORMATION:

NAME	COUNTRY
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ASSIGNEE-INFORMATION:

NAME	COUNTRY
TORAY IND INC	N/A

APPL-NO: JP11366069

APPL-DATE: December 24, 1999

INT-CL (IPC): B24B029/00, B24B021/00 , B24D003/00 , B24D011/00 , D03D001/00

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a cloth for polishing a magnetic disk allowing polishing machining of more uniform and fine surface rughness Ra, by reducing a meandering phenomenon during texture machining.

SOLUTION: Warp mainly comprises polyester filament fiber, and weft comprises crimped threads mainly made of polyester extra fine filament. The cloth is woven as five or more satin fabric with cover factor CF represented by the following equation 1 of 2400-3400, and variation rate of ductility during a wet period relative to ductility during a drying period loaded with 1.5 Kg in the warp direction is 30% or less. CF=[warp total fineness (dtex)]1/2

×warp
density (number/25.4 mm) + [weft total fineness (dtex)]1/2 ×
weft density
(number/25.4 mm).

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TITLE: Textile fabric tape for magnetic disc polishing, has elongation rate variation in the direction of warp thread at wet state against dry state under specified load

PATENT-ASSIGNEE: TORAY IND INC[TORA]

PRIORITY-DATA: 1999JP-0366069 (December 24, 1999)

PATENT-FAMILY:

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APPLICATION-DATA:

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ABSTRACTED-PUB-NO: JP2001179595A

BASIC-ABSTRACT:

NOVELTY - The fabric is a satin weave fabric having warp thread of polyester filament fibers and weft thread of extra-fine polyester filament fiber. The cover factor (CF) is specified by a relation including density of warp thread and weft thread. The elongation rate variation in the direction of warp thread at 1.5 kg tensile load at wet state against dry state is 30% or less.

USE - For magnetic disc polishing.

ADVANTAGE - Ensures uniform polishing, as variation rate of elongation at wet
and dry state is specified and the specified cover factor of fabric ensures
uniform distribution of grinding particles.

DESCRIPTION OF DRAWING(S) - The figure shows the front elevation and side view
drawing of magnetic disc polishing apparatus.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: TEXTILE FABRIC TAPE MAGNETIC DISC POLISH ELONGATE RATE VARIATION
DIRECTION WARP THREAD WET STATE DRY STATE SPECIFIED LOAD

DERWENT-CLASS: A23 A88 F03 L03 P61

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